

# Converting Colors

XYZ(69.9503, 63.2717, 59.0039)

Have a look what the booklet for  
XYZ(69.9503, 63.2717, 59.0039)  
contains.

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# Color

**XYZ(69.9356, 63.2502,  
58.9746)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFC1C1
RGB	255, 193, 193
RGB Percent	100%, 76%, 76%
CMY	0.0000, 0.2431, 0.2431
CMYK	0.00, 0.24, 0.24, 0.00
HSL	0°, 100%, 88%
HSV	0°, 24%, 100%
XYZ	69.9356, 63.2502, 58.9746
YIQ	211.5380, 36.9520, 13.1440

# Conversions

## Conversions Part 2

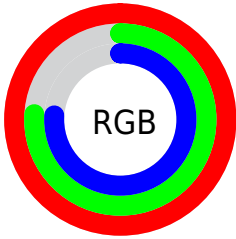
Format	Color
R <sub>Y</sub> B	255, 193, 193
Decimal	16761281
CIE Lab	83.57, 22.20, 8.65
CIE LCh	84, 23.823, 21.290
Yxy	63.2502, 0.3639, 0.3292
Android (android.graphics.Color)	4294951361 (0xFFFFC1C1)
YUV	211.5380, -9.1392, 38.1162
Hunter-Lab	79.5300, 17.7885, 11.7051

# Details

The XYZ color **69.9356, 63.2502, 58.9746** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **75.8011, 90.0745, 107.9987**, and the grayscale version is **62.3157, 65.5609, 71.3958**.

A 20% lighter version of the original color is **92.5245, 96.4708, 103.3667**, and **36.9922, 32.2290, 29.0821** is the 20% darker color. If you saturate the color by 10%, you get **62.1735, 51.8927, 43.5421**, and if you desaturate by 10%, it is **79.1630, 76.7530, 77.3167**.

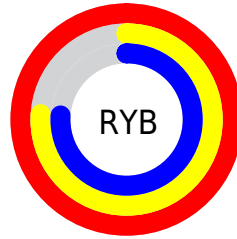
# Distribution



Red (100%)

Green (76%)

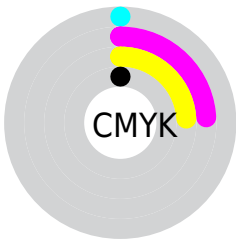
Blue (76%)



Red (100%)

Yellow (76%)

Blue (76%)

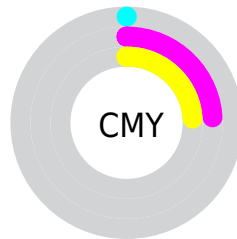


Cyan (0%)

Magenta (24%)

Yellow (24%)

Black (0%)



Cyan (0%)

Magenta (24%)

Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 69.9356, 63.2502, 58.9746 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 69.9356, 63.2502, 58.9746 by changing the saturation by 10% instead.





 69.9356, 63.2502,  
58.9746

 69.9356, 63.2502,  
58.9746


449.5938,  
436.4769, 438.5070

 51.7534, 46.0436,  
42.1728


 118.1437,  
109.5304, 104.8695

 37.0321, 32.2803,  
28.9100

148.9003,  
139.3728, 134.7997

 25.4061, 21.5757,  
18.7678


184.5791,  
174.1960, 169.9431

 16.5102, 13.5454,  
11.3275

225.5455,  
214.3843, 210.7182

 9.9790, 7.8052,  
6.1706

272.1648,  
260.3222, 257.5436

 5.4472, 3.9706,  
2.8786

324.8024,

 2.5494, 1.6571,

312.3940, 310.8379

1.0330

383.8236,  
370.9841, 371.0195

■ 0.9202, 0.3956,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 69.9356, 63.2502,  
58.9746

■ 69.9356, 63.2502,  
58.9746

■ 62.1735, 51.8927,  
43.5421

■ 79.1630, 76.7530,  
77.3167

■ 55.7971, 42.5621,  
30.8662

■ 89.9207, 92.4945,  
98.7030

■ 50.7263, 35.1419,  
20.7858

95.0500, 100.0000,  
108.9000

■ 46.8707, 29.5000,  
13.1216

■ 44.1288, 25.4877,  
7.6713

■ 42.3824, 22.9320,  
4.2001

■ 41.4868, 21.6213,  
2.4203

■ 41.2402, 21.2604,  
1.9301

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



70.5655, 63.2502, 73.3020



69.9356, 63.2502, 58.9746



66.5977, 63.2502, 48.8320

# Triad

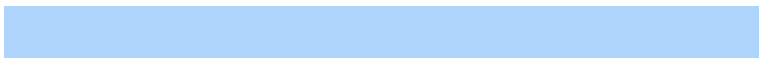
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



69.9356, 63.2502, 58.9746



52.6393, 63.2502, 52.4502



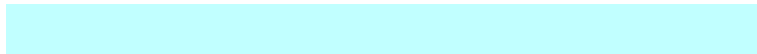
58.6142, 63.2502, 101.2728

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



69.9356, 63.2502, 58.9746



75.8011, 90.0745, 107.9987

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



54.0718, 63.2502, 93.7503



69.9356, 63.2502, 58.9746



50.7552, 63.2502, 64.6179

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



69.9356, 63.2502, 58.9746



56.5554, 63.2502, 45.4606



51.2640, 63.2502, 79.8118



63.8260, 63.2502, 99.1846



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



69.9356, 63.2502, 58.9746



63.3861, 63.2502, 45.1266



51.2640, 63.2502, 79.8118



56.9631, 63.2502, 99.7489

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



69.9372, 63.2531, 58.9759



86.8760, 88.0393, 92.6501



78.3603, 66.6206, 103.3368



18.4520, 18.6347, 19.5466



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



69.9372, 63.2531, 58.9759



66.1209, 57.6687, 51.3892



77.5216, 78.4220, 61.5040



18.0096, 17.9873, 18.6670



21.5490, 11.1091, 1.0085

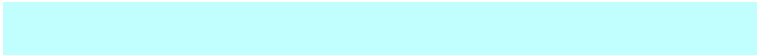


2.0982, 1.0817, 0.0982

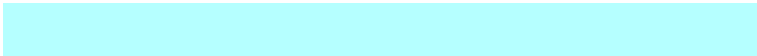


# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



75.8011, 90.0745, 107.9987



72.8759, 88.5661, 107.8617



66.6985, 71.8693, 104.9645



18.5548, 20.4812, 23.2253



28.1136, 41.1367, 55.8930

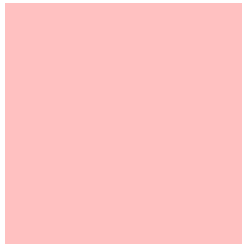


2.7374, 4.0054, 5.4421



# Previews

## White Background



This preview shows how the XYZ color 69.9356, 63.2502, 58.9746 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 69.9356, 63.2502, 58.9746 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 69.9356, 63.2502, 58.9746**

## **Background**



This preview shows how black text looks on a background with the XYZ color 69.9356, 63.2502, 58.9746.



This preview shows how white text looks on a background with the XYZ color 69.9356, 63.2502,

58.9746.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

69.9356, 63.2502, 58.9746

### Protanopia

60.8300, 63.6249, 64.3331

### Deuteranopia

64.5516, 63.1970, 58.0862



## Tritanopia

71.2302, 63.4155, 66.8787

# Trichromacy



## Original Color

69.9356, 63.2502, 58.9746

## Protanomaly

63.8621, 63.4471, 62.3067

## Deuteranomaly

66.3265, 63.0712, 58.5473

## Tritanomaly

70.6323, 63.1763, 63.7299

# Monochromacy



## Original Color

69.9356, 63.2502, 58.9746

## Achromatopsia

62.5785, 65.8375, 71.6970

## Achromatomaly

64.8457, 64.5644, 66.8020

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 69.9356, 63.2502, 58.9746 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(255, 193, 193)` looks like.

```
.text, #text, p{  
    color:rgb(255, 193, 193)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(255, 193, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 193, 193) }
```

## Border

The CSS property to change the border of an element to XYZ 69.9356, 63.2502, 58.9746 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 193, 193) }
```



If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(255, 193, 193) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(255, 193, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 193, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 193, 193);  
box-shadow:4px 4px 4px 4px rgb(255, 193,  
193) }
```

# Background

The CSS property to change the background color of an element to XYZ 69.9356, 63.2502, 58.9746 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 193, 193) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(255,  
193, 193) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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